

Appl. No. 10/680,379
Amdt. dated 5/9/07
Reply to Office action of 1/16/07

Attorney Docket No.: MUH-12807

REMARKS/ARGUMENTS

Reconsideration of the application is requested.

Claims 1-24 remain in the application. Claims 1 and 9 have been amended. Claims 16-24 have been withdrawn.

In item 2 on pages 2-3 of the above-mentioned Office action, claims 1-15 have been rejected as being anticipated by Smayling (US 5,942,374) under 35 U.S.C. § 102(b).

The language of claims 1 and 9 has been modified in an effort to even more clearly define the invention of the instant application.

A key feature of the present invention is the doping of the contact region, wherein the doping substance is irreversibly fixed in an organic semiconductor of the semiconductor body. Therefore, claim 1 has been modified to recite that doping takes place in regions that adjoin the source contact and the drain contact. Smayling does not disclose or suggest increasing the conductivity of the polymer by doping only these regions.

In claim 9, the limitation "arranged between the source contact and drain contact" has been added to better describe the position of the organic semiconductor. The limitation "wherein a first distance is retained between the gate dielectric and the source contact and a second distance is retained between the gate dielectric and the drain contact, at which the organic semiconductor is applied directly with the contact region to the substrate" has also been added to claim 1. This limitation is shown in Figs. 2 and 3, in which the organic semiconductor (6) is in direct contact (regions 8, 9) with the substrate (1). This has a clear advantage in the fabrication as described on page 15, line 15 to page 17, line 17 of the specification. The newly added limitations of claim 9 are not disclosed or suggested by Smayling.

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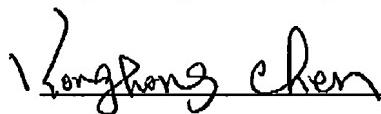
Claims 1 and 9 are, therefore, believed to be patentable over the art and since all of the dependent claims are ultimately dependent on claims 1 or 9, they are believed to be patentable as well.

In view of the foregoing, reconsideration and allowance of claims 1-15 are solicited.

In the event the Examiner should still find any of the claims to be unpatentable, counsel would appreciate a telephone call so that, if possible, patentable language can be worked out.

Petition for one-month extension of time is herewith made. Please charge the fee in the amount of \$120 and any other fees that might be due with respect to Sections 1.16 and 1.17 to Deposit Account Number 12-1099 of Lerner Greenberg Stemer LLP.

Respectfully submitted,



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YC/bb

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